**Analysis for sequencing**

|  |
| --- |
| **Genomic alteration of CSCLC** |
| NTRK1 |
| SPTA1 |
| IRS2 |
| NTRK3 |
| TP53 |
| DNMT3A |
| NFE2L2 |
| NEK11 |
| PIK3CB |
| HDAC9 |
| SPEN |
| ARID1A |
| FAM135B |
| BCOR |
| RET |
| KMT2D |
| GLI1 |
| FLT1 |
| RB1 |
| ROCK1 |
| KEAP1 |
| NOTCH3 |
| XPO1 |
| GLI2 |
| HCK |
| GNAS |
| EPHA5 |
| APC |
| NOTCH4 |
| ROS1 |
| INHBA |
| IKZF1 |
| PIK3CG |
| BRAF |
| LRP1 |
| DOT1L |
| BARD1 |
| INPP4B |
| SETBP1 |
| MYCN |
| EPHA3 |
| EGFR |
| AR |
| SMAD2 |
| WISP3 |
| GATA3 |
| LRP2 |
| FBXW7 |
| ARID1B |
| GRM3 |
| PTEN |
| CIC |
| TIPARP |
| FLT3 |
| CHD2 |
| PLCG2 |
| BIRC5 |
| RANBP2 |
| SF3B1 |
| ASXL1 |
| FAT1 |
| MYB |
| CASP8 |
| AKT3 |
| FAT3 |
| ERBB3 |
| BLM |
| FANCL |
| FGF10 |
| DDR1 |
| TAF1 |
| WEE1 |
| RAF1 |
| RAD54L |
| NFKBIA |
| RAD51B |
| GRIN2A |
| TMPRSS2 |
| VHL |
| FAT4 |
| CREBBP |
| PIK3CA |
| TIE1 |
| NOTCH2 |
| KDR |
| MAP3K1 |
| MAGI2 |
| HSD3B1 |
| PIK3C2B |
| NRG3 |
| ATM |
| CDH1 |
| EP300 |
| EPHA7 |
| GLI3 |
| NRG1 |
| PRKDC |
| CDKN2A |
| DDR2 |
| CHD4 |
| SMARCD1 |
| FANCM |
| AKT1 |
| NF1 |
| LRP1B |
| PBRM1 |
| KLHL6 |
| BTK |
| CAMTA1 |
| B2M |
| JUN |
| BTG1 |
| USP6 |
| SRSF2 |
| BAP1 |
| ABL1 |
| ERBB4 |
| KDM6A |
| MTOR |
| NCOR1 |
| TP63 |
| TNK2 |
| QKI |
| CFTR |
| FGFR1 |
| FGFR2 |
| CTNNB1 |
| PDGFRB |
| GATA4 |
| SOX2 |
| MET |
| RAD54B |
| MYC |
| NFIB |
| CDKN2B |
| FANCG |
| PAX5 |
| STK24 |
| FGF14 |
| TNFSF13B |
| XRCC3 |
| RAD51C |
| PTK6 |
| SRMS |
| ARFRP1 |
| SDHA |
| TERT |
| IL7R |
| RICTOR |
| PDCD1 |
| FGFR3 |
| RXRA |
| NOTCH1 |
| SLIT2 |
| ADAM29 |
| IRF2 |
| PIK3R1 |
| TNFAIP3 |
| BCL2L1 |
| ATR |
| PRKCI |
| MAP3K13 |
| ETV5 |
| FGF12 |
| BMX |
| KDM5A |
| BCL6 |
| TBX3 |
| CCNE1 |
| AKT2 |
| RUNX1T1 |
| PTK2 |
| NKX2-1 |
| PKD2 |
| CCND1 |
| FGF19 |
| FGF4 |
| FGF3 |
| SPINK1 |
| DPYD |
| CREB3L1 |
| EMSY |
| ERBB2 |
| SOX9 |
| STK11 |
| CARD11 |
| PMS2 |
| RAC1 |
| LIMK1 |
| JAK2 |
| CD274 |
| PDCD1LG2 |

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| --- |
| **Genomic alteration of pure SCLC** |
| SPTA1 |
| WT1 |
| CREB3L1 |
| FGF19 |
| ATM |
| KMT2D |
| RB1 |
| TP53 |
| JAK3 |
| DNMT3A |
| FAT1 |
| APC |
| HGF |
| B2M |
| DDR2 |
| NRG3 |
| KMT2A |
| KDM5A |
| FANCM |
| IGF1R |
| GRIN2A |
| FANCA |
| USP6 |
| COL1A1 |
| LRP1B |
| FEV |
| CHEK2 |
| ETV5 |
| FAT4 |
| FANCE |
| KMT2C |
| PDCD1LG2 |
| NOTCH1 |
| RBM10 |
| ARAF |
| GATA1 |
| TFE3 |
| AMER1 |
| MED12 |
| ATRX |
| BTK |
| NOTCH2 |
| TCF7L2 |
| TSHR |
| PREX2 |
| FAM135B |
| JAK1 |
| KDM5B |
| BRCA2 |
| FOXO1 |
| ROCK1 |
| PMS2 |
| MEN1 |
| BRCA1 |
| GATA6 |
| CD79A |
| CYP17A1 |
| PDGFRB |
| ABL2 |
| FGFR2 |
| KEAP1 |
| LRP2 |
| PDK1 |
| FGFR3 |
| MAP3K1 |
| GRM3 |
| SND1 |
| TAF1 |
| BCORL1 |
| LRP1 |
| NOTCH3 |
| ALK |
| KDR |
| CFTR |
| PRKDC |
| FAT3 |
| AXIN1 |
| ERBB4 |
| EGFR |
| PAX5 |
| KDM5C |
| NCOR1 |
| ERBB2 |
| KIT |
| EPHA7 |
| HRAS |
| STAT4 |
| EP300 |
| PBRM1 |
| PDGFRA |
| TET2 |
| CTNNA1 |
| ABL1 |
| KDM6A |
| EMSY |
| TBX3 |
| IRS2 |
| STAT3 |
| MSH2 |
| SETD2 |
| EGF |
| ETV1 |
| TEK |
| POLD1 |
| NR4A3 |
| PTEN |
| SUFU |
| KRAS |
| TSC2 |
| AXL |
| BCOR |
| FUBP1 |
| NF1 |
| SMARCA4 |
| AURKA |
| TERT |
| FLT4 |
| CARD11 |
| ARID1A |
| PIK3C2B |
| PTPN11 |
| CDH1 |
| REL |
| ZNF217 |
| EWSR1 |
| EPHA3 |
| EPHB1 |
| KLHL6 |
| ITK |
| RUNX1T1 |
| TSC1 |
| PHF6 |
| CREBBP |
| RNF43 |
| IKZF1 |
| PTK2 |
| VGLL3 |
| ROS1 |
| MAGI2 |
| JAK2 |
| CHEK1 |
| CD79B |
| INHBA |
| GNAS |
| SDHA |
| CDKN1B |
| BTG1 |
| NOTCH4 |
| NRG1 |
| PTCH1 |
| DICER1 |
| EZH2 |
| NTRK3 |
| SMAD4 |
| TNFAIP3 |
| BIRC3 |
| CSK |
| TGFBR1 |
| EPHA2 |
| HSD3B1 |
| NTRK1 |
| HNF1A |
| FGF14 |
| DOT1L |
| NSD2 |
| PRDM1 |
| PRKCI |
| SOX2 |
| PIK3CG |
| NEK11 |
| FGF12 |
| EPHA5 |
| MYCL |
| NKX2-1 |
| TGFBR2 |
| STK24 |
| TNFSF13B |
| IL7R |
| FGF10 |
| FOS |
| TPMT |
| PALB2 |
| FUS |
| FH |
| AKT3 |
| NFIB |
| CDKN2A |
| CRKL |
| LZTR1 |
| FBXW7 |
| RICTOR |
| HSP90AA1 |
| RET |
| NCOA2 |
| SOX9 |
| ZNF703 |
| ADGRA2 |
| FGFR1 |
| CDKN2B |
| BMX |

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| --- |
| **Genomic alteration of SCLC component of CSCLC** |
| NTRK1 |
| SPTA1 |
| IRS2 |
| NTRK3 |
| TP53 |
| DNMT3A |
| NFE2L2 |
| NEK11 |
| PIK3CB |
| HDAC9 |
| ARID1A |
| RET |
| KMT2D |
| GLI1 |
| FLT1 |
| RB1 |
| ROCK1 |
| KEAP1 |
| NOTCH3 |
| XPO1 |
| GLI2 |
| HCK |
| GNAS |
| EPHA5 |
| APC |
| NOTCH4 |
| ROS1 |
| INHBA |
| IKZF1 |
| PIK3CG |
| BRAF |
| SETBP1 |
| MYCN |
| EPHA3 |
| EGFR |
| BCOR |
| AR |
| GATA3 |
| LRP2 |
| FBXW7 |
| ARID1B |
| GRM3 |
| FAM135B |
| FLT3 |
| CHD2 |
| PLCG2 |
| BIRC5 |
| RANBP2 |
| SF3B1 |
| ASXL1 |
| FAT1 |
| MYB |
| AKT3 |
| FAT3 |
| ERBB3 |
| BLM |
| FANCL |
| FGF10 |
| DDR1 |
| TAF1 |
| RAD54L |
| NFKBIA |
| RAD51B |
| GRIN2A |
| TMPRSS2 |
| VHL |
| FAT4 |
| TIE1 |
| NOTCH2 |
| PIK3CA |
| KDR |
| MAP3K1 |
| MAGI2 |
| DDR2 |
| ATM |
| CHD4 |
| SMARCD1 |
| FANCM |
| AKT1 |
| NF1 |
| LRP1B |
| EP300 |
| PBRM1 |
| KLHL6 |
| BTK |
| JUN |
| BTG1 |
| USP6 |
| SRSF2 |
| BAP1 |
| CDKN2A |
| ABL1 |
| MTOR |
| NCOR1 |
| TP63 |
| TNK2 |
| QKI |
| CFTR |
| FGFR1 |
| SOX2 |
| MET |
| RAD54B |
| MYC |
| NFIB |
| CDKN2B |
| FANCG |
| PAX5 |
| STK24 |
| FGF14 |
| TNFSF13B |
| XRCC3 |
| RAD51C |
| PTK6 |
| SRMS |
| ARFRP1 |
| SDHA |
| TERT |
| IL7R |
| RICTOR |
| SLIT2 |
| ADAM29 |
| IRF2 |
| PIK3R1 |
| TNFAIP3 |
| BCL2L1 |
| ATR |
| TIPARP |
| PRKCI |
| MAP3K13 |
| ETV5 |
| FGF12 |
| BMX |
| KDM5A |
| BCL6 |
| TBX3 |
| CCNE1 |
| AKT2 |
| RUNX1T1 |
| PTK2 |
| NKX2-1 |
| PKD2 |
| SPINK1 |
| DPYD |
| CREB3L1 |
| CCND1 |
| FGF19 |
| FGF4 |
| FGF3 |
| EMSY |
| ERBB2 |
| STK11 |
| DOT1L |
| CARD11 |
| PMS2 |
| RAC1 |
| LIMK1 |
| JAK2 |
| CD274 |
| PDCD1LG2 |

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| **Genomic alteration of NSCLC component of CSCLC** |
| SPEN |
| ARID1A |
| NTRK1 |
| SPTA1 |
| IRS2 |
| NTRK3 |
| TP53 |
| DNMT3A |
| NFE2L2 |
| PIK3CB |
| HDAC9 |
| FAM135B |
| BCOR |
| RET |
| KMT2D |
| LRP1 |
| GLI1 |
| FLT1 |
| RB1 |
| DOT1L |
| KEAP1 |
| NOTCH3 |
| GLI2 |
| BARD1 |
| HCK |
| GNAS |
| EPHA5 |
| INPP4B |
| APC |
| NOTCH4 |
| ROS1 |
| INHBA |
| IKZF1 |
| BRAF |
| SMAD2 |
| WISP3 |
| EGFR |
| GATA3 |
| PTEN |
| CIC |
| LRP2 |
| TIPARP |
| FBXW7 |
| ARID1B |
| GRM3 |
| FLT3 |
| CHD2 |
| BIRC5 |
| RANBP2 |
| SF3B1 |
| CASP8 |
| ASXL1 |
| FAT1 |
| MYB |
| WEE1 |
| RAF1 |
| RAD54L |
| NFKBIA |
| RAD51B |
| CREBBP |
| GRIN2A |
| VHL |
| PIK3CA |
| FAT4 |
| HSD3B1 |
| PIK3C2B |
| NRG3 |
| ATM |
| CDH1 |
| EP300 |
| EPHA3 |
| EPHA7 |
| GLI3 |
| NRG1 |
| PRKDC |
| CDKN2A |
| CAMTA1 |
| FANCM |
| AKT1 |
| B2M |
| KLHL6 |
| BTK |
| BTG1 |
| SRSF2 |
| ERBB4 |
| BAP1 |
| ABL1 |
| KDM6A |
| FGFR2 |
| NCOR1 |
| CTNNB1 |
| PDGFRB |
| GATA4 |
| SOX2 |
| MET |
| RAD54B |
| MYC |
| NFIB |
| CDKN2B |
| FANCG |
| PAX5 |
| PDCD1 |
| FGFR3 |
| TERT |
| RXRA |
| NOTCH1 |
| PRKCI |
| CCNE1 |
| AKT2 |
| CCND1 |
| FGF19 |
| FGF4 |
| FGF3 |
| NKX2-1 |
| XRCC3 |
| EMSY |
| TNK2 |
| ERBB2 |
| SOX9 |
| SETBP1 |
| STK11 |
| SDHA |
| CARD11 |
| PMS2 |
| RAC1 |

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| --- |
| **Genomic alteration of CSCLC (AD+SCLC)** |
| ADAM29 |
| AKT1 |
| AKT2 |
| APC |
| AR |
| ARFRP1 |
| ARID1A |
| ATM |
| B2M |
| BARD1 |
| BCOR |
| BRAF |
| BTK |
| CAMTA1 |
| CARD11 |
| CCNE1 |
| CD274 |
| CFTR |
| CHD4 |
| CREBBP |
| CTNNB1 |
| DDR2 |
| DOT1L |
| EGFR |
| EP300 |
| EPHA3 |
| EPHA5 |
| FANCM |
| FAT1 |
| FAT4 |
| FGF10 |
| FGF12 |
| FGF14 |
| FGFR1 |
| FGFR2 |
| FGFR3 |
| FLT1 |
| GATA4 |
| GLI1 |
| GLI2 |
| GNAS |
| GRIN2A |
| HCK |
| IKZF1 |
| IL7R |
| INHBA |
| INPP4B |
| IRF2 |
| IRS2 |
| JAK2 |
| KDM6A |
| KEAP1 |
| KLHL6 |
| KMT2D |
| LIMK1 |
| LRP1 |
| LRP1B |
| MTOR |
| MYC |
| MYCN |
| NCOR1 |
| NF1 |
| NFE2L2 |
| NFKBIA |
| NKX2-1 |
| NOTCH1 |
| NOTCH3 |
| NOTCH4 |
| NTRK3 |
| PBRM1 |
| PDCD1 |
| PDCD1LG2 |
| PDGFRB |
| PIK3CA |
| PIK3CG |
| PIK3R1 |
| PMS2 |
| PTK6 |
| QKI |
| RAC1 |
| RAD51B |
| RAD51C |
| RAD54L |
| RB1 |
| RET |
| RICTOR |
| ROCK1 |
| ROS1 |
| RXRA |
| SDHA |
| SETBP1 |
| SLIT2 |
| SMAD2 |
| SMARCD1 |
| SOX9 |
| SPINK1 |
| SPTA1 |
| SRMS |
| STK11 |
| STK24 |
| TERT |
| TMPRSS2 |
| TNFAIP3 |
| TNFSF13B |
| TNK2 |
| TP53 |
| TP63 |
| VHL |
| WISP3 |
| XPO1 |
| XRCC3 |

|  |
| --- |
| **Genomic alteration of CSCLC (SCC+SCLC)** |
| ABL1 |
| AKT2 |
| AKT3 |
| APC |
| ARID1A |
| ARID1B |
| ASXL1 |
| ATM |
| ATR |
| BAP1 |
| BCL2L1 |
| BCL6 |
| BCOR |
| BIRC5 |
| BLM |
| BMX |
| BTG1 |
| CASP8 |
| CCND1 |
| CCNE1 |
| CDH1 |
| CDKN2A |
| CDKN2B |
| CHD2 |
| CIC |
| CREB3L1 |
| DDR1 |
| DNMT3A |
| DPYD |
| EMSY |
| EP300 |
| EPHA3 |
| EPHA5 |
| EPHA7 |
| ERBB2 |
| ERBB3 |
| ERBB4 |
| ETV5 |
| FAM135B |
| FANCG |
| FANCL |
| FAT1 |
| FAT3 |
| FBXW7 |
| FGF10 |
| FGF12 |
| FGF14 |
| FGF19 |
| FGF3 |
| FGF4 |
| FLT3 |
| GATA3 |
| GLI3 |
| GRM3 |
| HCK |
| HDAC9 |
| HSD3B1 |
| IRS2 |
| JUN |
| KDM5A |
| KDM6A |
| KDR |
| KLHL6 |
| KMT2D |
| LRP2 |
| MAGI2 |
| MAP3K1 |
| MAP3K13 |
| MET |
| MYB |
| MYC |
| NEK11 |
| NFE2L2 |
| NFIB |
| NFKBIA |
| NKX2-1 |
| NOTCH2 |
| NOTCH3 |
| NRG1 |
| NRG3 |
| NTRK1 |
| NTRK3 |
| PAX5 |
| PIK3C2B |
| PIK3CA |
| PIK3CB |
| PKD2 |
| PLCG2 |
| PRKCI |
| PRKDC |
| PTEN |
| PTK2 |
| RAD54B |
| RAF1 |
| RANBP2 |
| RB1 |
| RICTOR |
| ROS1 |
| RUNX1T1 |
| SF3B1 |
| SOX2 |
| SPEN |
| SPTA1 |
| SRSF2 |
| STK24 |
| TAF1 |
| TBX3 |
| TIE1 |
| TIPARP |
| TNK2 |
| TP53 |
| USP6 |
| WEE1 |

|  |
| --- |
| **Genomic alteration of SCC component of CSCLC (SCC)** |
| ABL1 |
| APC |
| ARID1A |
| ARID1B |
| ASXL1 |
| ATM |
| BAP1 |
| BCOR |
| BIRC5 |
| BTG1 |
| CASP8 |
| CCND1 |
| CDH1 |
| CDKN2A |
| CDKN2B |
| CHD2 |
| CIC |
| DNMT3A |
| EMSY |
| EP300 |
| EPHA3 |
| EPHA7 |
| ERBB2 |
| ERBB4 |
| FAM135B |
| FANCG |
| FAT1 |
| FBXW7 |
| FGF19 |
| FGF3 |
| FGF4 |
| FLT3 |
| GATA3 |
| GLI3 |
| GRM3 |
| HDAC9 |
| HSD3B1 |
| IRS2 |
| KDM6A |
| KMT2D |
| LRP2 |
| MET |
| MYB |
| MYC |
| NFE2L2 |
| NFIB |
| NFKBIA |
| NKX2-1 |
| NOTCH3 |
| NRG1 |
| NRG3 |
| NTRK1 |
| NTRK3 |
| PAX5 |
| PIK3C2B |
| PIK3CA |
| PIK3CB |
| PRKCI |
| PRKDC |
| PTEN |
| RAD54B |
| RAF1 |
| RANBP2 |
| RB1 |
| ROS1 |
| SF3B1 |
| SOX2 |
| SPEN |
| SPTA1 |
| SRSF2 |
| TIPARP |
| TP53 |
| WEE1 |

|  |
| --- |
| **Genomic alteration of AD component of CSCLC (AD)** |
| AKT1 |
| AKT2 |
| APC |
| ARID1A |
| B2M |
| BARD1 |
| BCOR |
| BRAF |
| BTK |
| CAMTA1 |
| CARD11 |
| CCNE1 |
| CREBBP |
| CTNNB1 |
| DOT1L |
| EGFR |
| EP300 |
| EPHA5 |
| FANCM |
| FAT4 |
| FGFR2 |
| FGFR3 |
| FLT1 |
| GATA4 |
| GLI1 |
| GLI2 |
| GNAS |
| GRIN2A |
| HCK |
| IKZF1 |
| INHBA |
| INPP4B |
| KDM6A |
| KEAP1 |
| KLHL6 |
| KMT2D |
| LRP1 |
| NCOR1 |
| NFKBIA |
| NKX2-1 |
| NOTCH1 |
| NOTCH3 |
| NOTCH4 |
| PDCD1 |
| PDGFRB |
| PIK3CA |
| PMS2 |
| RAC1 |
| RAD51B |
| RAD54L |
| RB1 |
| RET |
| ROS1 |
| RXRA |
| SDHA |
| SETBP1 |
| SMAD2 |
| SOX9 |
| STK11 |
| TERT |
| TNK2 |
| TP53 |
| VHL |
| WISP3 |
| XRCC3 |

|  |
| --- |
| **Genomic alteration of SCLC component of CSCLC (SCC)** |
| NTRK1 |
| SPTA1 |
| IRS2 |
| NTRK3 |
| TP53 |
| DNMT3A |
| NFE2L2 |
| NEK11 |
| PIK3CB |
| HDAC9 |
| GATA3 |
| RB1 |
| LRP2 |
| FBXW7 |
| APC |
| ARID1B |
| GRM3 |
| FAM135B |
| FLT3 |
| CHD2 |
| PLCG2 |
| BIRC5 |
| RANBP2 |
| SF3B1 |
| ASXL1 |
| FAT1 |
| MYB |
| AKT3 |
| FAT3 |
| ERBB3 |
| BLM |
| FANCL |
| FGF10 |
| DDR1 |
| TAF1 |
| TIE1 |
| NOTCH2 |
| PIK3CA |
| KDR |
| MAP3K1 |
| MAGI2 |
| JUN |
| ATM |
| KMT2D |
| BTG1 |
| USP6 |
| SRSF2 |
| NOTCH3 |
| BAP1 |
| CDKN2A |
| ABL1 |
| SOX2 |
| MET |
| RAD54B |
| MYC |
| NFIB |
| CDKN2B |
| FANCG |
| PAX5 |
| BCL2L1 |
| HCK |
| ATR |
| TIPARP |
| PRKCI |
| KLHL6 |
| MAP3K13 |
| ETV5 |
| FGF12 |
| BMX |
| KDM5A |
| BCL6 |
| TNK2 |
| TBX3 |
| CCNE1 |
| AKT2 |
| EPHA3 |
| RUNX1T1 |
| PTK2 |
| EPHA5 |
| PKD2 |
| DPYD |
| CREB3L1 |
| CCND1 |
| FGF19 |
| FGF4 |
| FGF3 |
| EMSY |
| STK24 |
| FGF14 |
| RICTOR |
| ERBB2 |

|  |
| --- |
| **Genomic alteration of SCC component of CSCLC (SCC)** |
| SPEN |
| ARID1A |
| NTRK1 |
| SPTA1 |
| IRS2 |
| NTRK3 |
| TP53 |
| DNMT3A |
| NFE2L2 |
| PIK3CB |
| HDAC9 |
| FAM135B |
| BCOR |
| GATA3 |
| PTEN |
| RB1 |
| CIC |
| LRP2 |
| TIPARP |
| FBXW7 |
| APC |
| ARID1B |
| GRM3 |
| FLT3 |
| CHD2 |
| BIRC5 |
| RANBP2 |
| SF3B1 |
| CASP8 |
| ASXL1 |
| FAT1 |
| MYB |
| WEE1 |
| RAF1 |
| HSD3B1 |
| PIK3C2B |
| NRG3 |
| ATM |
| CDH1 |
| EP300 |
| EPHA3 |
| EPHA7 |
| ROS1 |
| GLI3 |
| NRG1 |
| PRKDC |
| CDKN2A |
| KMT2D |
| BTG1 |
| SRSF2 |
| NOTCH3 |
| ERBB4 |
| BAP1 |
| ABL1 |
| KDM6A |
| SOX2 |
| MET |
| RAD54B |
| MYC |
| NFIB |
| CDKN2B |
| FANCG |
| PAX5 |
| PRKCI |
| CCND1 |
| FGF19 |
| FGF4 |
| FGF3 |
| PIK3CA |
| EMSY |
| NFKBIA |
| NKX2-1 |
| ERBB2 |

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| **Genomic alteration of SCLC component of CSCLC (AD)** |
| ARID1A |
| RET |
| KMT2D |
| GLI1 |
| FLT1 |
| RB1 |
| TP53 |
| ROCK1 |
| KEAP1 |
| NOTCH3 |
| XPO1 |
| GLI2 |
| HCK |
| GNAS |
| EPHA5 |
| APC |
| NOTCH4 |
| ROS1 |
| INHBA |
| IKZF1 |
| PIK3CG |
| BRAF |
| SETBP1 |
| MYCN |
| EPHA3 |
| EGFR |
| BCOR |
| AR |
| RAD54L |
| SPTA1 |
| NFKBIA |
| RAD51B |
| GRIN2A |
| TMPRSS2 |
| VHL |
| FAT4 |
| DDR2 |
| ATM |
| CHD4 |
| SMARCD1 |
| FANCM |
| AKT1 |
| NF1 |
| LRP1B |
| EP300 |
| PBRM1 |
| PIK3CA |
| KLHL6 |
| BTK |
| MTOR |
| NCOR1 |
| TP63 |
| TNK2 |
| QKI |
| CFTR |
| FGFR1 |
| STK24 |
| FGF14 |
| TNFSF13B |
| IRS2 |
| XRCC3 |
| RAD51C |
| PTK6 |
| SRMS |
| ARFRP1 |
| SDHA |
| TERT |
| IL7R |
| RICTOR |
| FGF10 |
| NFE2L2 |
| SLIT2 |
| ADAM29 |
| IRF2 |
| FAT1 |
| PIK3R1 |
| TNFAIP3 |
| NKX2-1 |
| CCNE1 |
| AKT2 |
| MYC |
| SPINK1 |
| FGF12 |
| NTRK3 |
| STK11 |
| DOT1L |
| CARD11 |
| PMS2 |
| RAC1 |
| LIMK1 |
| JAK2 |
| CD274 |
| PDCD1LG2 |

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| **Genomic alteration of AD component of CSCLC (AD)** |
| ARID1A |
| RET |
| KMT2D |
| LRP1 |
| GLI1 |
| FLT1 |
| RB1 |
| TP53 |
| DOT1L |
| KEAP1 |
| NOTCH3 |
| GLI2 |
| BARD1 |
| HCK |
| GNAS |
| EPHA5 |
| INPP4B |
| APC |
| NOTCH4 |
| ROS1 |
| INHBA |
| IKZF1 |
| BRAF |
| SMAD2 |
| WISP3 |
| EGFR |
| BCOR |
| RAD54L |
| NFKBIA |
| RAD51B |
| CREBBP |
| GRIN2A |
| VHL |
| PIK3CA |
| FAT4 |
| CAMTA1 |
| FANCM |
| AKT1 |
| B2M |
| EP300 |
| KLHL6 |
| BTK |
| FGFR2 |
| NCOR1 |
| CTNNB1 |
| PDGFRB |
| GATA4 |
| KDM6A |
| PDCD1 |
| FGFR3 |
| TERT |
| RXRA |
| NOTCH1 |
| CCNE1 |
| AKT2 |
| NKX2-1 |
| XRCC3 |
| TNK2 |
| SOX9 |
| SETBP1 |
| STK11 |
| SDHA |
| CARD11 |
| PMS2 |
| RAC1 |